Summary


1 Editorial corrections to section 2.9/G.723.1 recommendation text

In March 1996, SG 15 approved Rec. G.723.1. COM16-D219 reported a typographic error in the ITU-T G.723.1 recommendation text. In the last sentence of section 2.9 (Pitch Estimation), indices j and j' are inverted. The exiting text should be corrected as shown below.

[Begin Correction]

2.9 Pitch estimation

... 

If the difference between the indices is greater than or equal to 18, the new maximum is selected only if $C_{OL}(j')$ is greater than $C_{OL}(j)$ by 1.25 dB.

[End Correction]

2 Modifications to fixed-point C source codes in G.729 Annexes F, G, H and I

In February 2000, SG16 approved G.729 Annexes F, G, H and I. As described in COM16-D219, discrepancies between the G.729 annexes F, G, H and I fixed point source codes and the G729 main body and annex B fixed point source codes were found. Initialization of some variables is performed differently in these annexes than in the former G729 recommendations fixed point source codes.

The modifications are in the coder initialization functions `Init_Coder_ld8x()` (in files cod_ld8x.c, where $x$ stands for f, g, h for Annexes F, G and H, respectively) and `Init_Coder_ld8c()` (in file codld8cp.c for annex I).

The following two lines are deleted:

```c
/* to tame the coder */
static Word32 L_exc_err[4];
```

And the line:

```c
for(i=0; i<4; i++) L_exc_err[i] = 0x00004000L;  /* Q14 */
```

is replaced by two lines:
/* to tame the coder */
Init_exc_err();

The call of the Init_Cod_cng() routine is inserted at the end of the set of instructions below:

if(dtx_enable == 1) {
    pastVad = 1;
    ppastVad = 1;
    seed = INIT_SEED;
    vad_init();
    Init_lsfq_noise();
    Init_Cod_cng();
}

Table 1 gives the numbers of the lines affected by these initialization modifications.

**Table 1:**
Modified line numbers in the encoder initialization routines

<table>
<thead>
<tr>
<th>Annex</th>
<th>File name</th>
<th>Routine name</th>
<th>Deleted lines</th>
<th>Replaced line</th>
<th>Taming initialization</th>
<th>DTX initialization</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Cod_ld8f.c</td>
<td>Init_Coder_ld8f()</td>
<td>84 &amp; 85</td>
<td>154</td>
<td>163</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Cod_ld8g.c</td>
<td>Init_Coder_ld8g()</td>
<td>84 &amp; 85</td>
<td>176</td>
<td>210</td>
<td></td>
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<tr>
<td>H</td>
<td>Cod_ld8h.c</td>
<td>Init_Coder_ld8h()</td>
<td>84 &amp; 85</td>
<td>169</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Codld8cp.c</td>
<td>Init_Coder_ld8c()</td>
<td>83 &amp; 84</td>
<td>175</td>
<td>209</td>
<td></td>
</tr>
</tbody>
</table>

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